

Data sheet

Dual Band 2x2 Wi-Fi 6 Outdoor Access Point



Features

The outdoor dual-band access point is designed and built to IP67 standards to withstand harsh weather conditions while providing excellent 2.4 GHz and 5 GHz wireless connectivity. The antennas are concealed under the plastic housing to protect them from the environment.

For connection with network backbone the access point has one Gigabit Ethernet SFP port and two Gigabit Ethernet RJ-45 ports. One of these is designed as a PoE+ PD port and is used to supply power to the device.

Technical Specifications

Wi-Fi Interface

Standards	2.4 GHz 802.11b/g/n/ax 5 GHz 802.11a/n/ac/ax
Radio chains	2x2
Spatial streams	2
Performance	2.4 GHz – up to 573.5 Mbps 5 GHz – up to 1201 Mbps
Maximum transmit power	2.4 GHz: Up to 27 dBm (combined power) 5 GHz: Up to 26 dBm (combined power) Maximum power is limited by local regulatory requirements
Minimum receiver sensitivity	2.4 Ghz 802.11n (HT20): -91 dBm @ MCS0 -71 dBm @ MCS15 2.4 Ghz 802.11n (HT40): -88.5 dBm @ MCS0 -70 dBm @ MCS15 5 Ghz 802.11ac (VHT40): -86.5 dBm @ MCS0NSS1 -61 dBm @MCS9NSS2 5 Ghz 802.11ac (VHT80): -82 dBm @ MCS0NSS1 -60 dBm @ MCS9NSS2
Number of clients	Up to 128 per radio
ESSIDs	Up to four per radio

Antenna

Number / type of antennas	2x internal 2.4 GHz WiFi antennas 2x internal 5 GHz WiFi antennas 1x internal Bluetooth antenna
----------------------------------	---

Ethernet Copper Interface

Number	2
Type	Gigabit Ethernet, 1x 100/1000Base-T, 1x 100/1000Base-T PoE+ PD
Connector	RJ-45
Power-over-Ethernet	Powered Device (PD) IEEE 802.3at

Ethernet Fiber Interface

Number	1
Type	1x Gigabit Ethernet SFP slot

LEDs

Device LED	1x multi-color LED
-------------------	--------------------

Power Supply

Input voltage	PoE 802.3at PD
Power consumption	18 W

Environmental Conditions

Operation temperature	-30..+70 °C (reduced performance above 60° C)
Humidity	10..95%, non-condensing

Mechanic

Dimensions (in mm)	238 x 465 x 121.5 (W x D x H, without connectors/antennas)
Material	Plastic
Weight	Approx. 1.6 Kg
Installation	Pole and wall mounting
Ingress protection	IP67

Firmware Features

System Management

- WEB GUI
- SNMP
- Data usage alerts
- Advanced troubleshooting
- Remote management (CLI, SSH, WEB-based)

LAN

- VLAN (IEEE 802.1Q)
- DHCP server / client
- DNS and DNS proxy
- DynDNS
- UPnP
- DMZ
- Multicast/multicast proxy
- QoS (DSCP and priority queuing)
- MAC Address filtering

WAN

- Dual WANs
- Failover

Wi-Fi

- WPA2/WPA3 enterprise (Wi-Fi)
- SSID-based priority
- Wi-Fi multimedia (WMM)
- SSID to VLAN

VPN and Routing

- Open VPN (SSL VPN)
- PPPoE (RFC2516)
- L2TP
- DHCP server / client
- DNS relay / proxy
- Routing rules
- Policy routing
- Virtual server / port forwarding
- IPv4/IPv6 dual stack
- DHCPv6 prefix delegation
- NTPv6
- STP

Security

- Unique password per unit
- RADIUS support
- ALGs
- WEB/IP/URL/content filtering (basic)
- Security boot loader
- Image signature

Pictures



Order Information

	Description	Article-No.:
	Dual Band 2x2 Wi-Fi 6 Outdoor Access Point	
	Dual Band 2x2 Wi-Fi 6 Outdoor Access Point 2.5 / 5 GHz Wi-Fi, bluetooth 1x 100/1000Base-T, 1x 100/1000Base-T PoE+ PD, 1x 1000Base-X SFP slot, managed, -30..70°C	MS659151M

This document in whole or in part may not be duplicated, reproduced, stored or retransmitted without prior written permission of MICROSENS GmbH & Co. KG. All information in this document is provided 'as is' and subject to change without notice. MICROSENS GmbH & Co. KG disclaims any liability for the correctness, completeness or quality of the information provided, fitness for a particular purpose or consecutive damage. MICROSENS is a trademark of MICROSENS GmbH & Co. KG. Any product names mentioned herein may be trademarks and/or registered trademarks of their respective companies. Dual Band 2x2 Wi-Fi 6 Outdoor Access Point_DAT_EN_4822

Date of release: 2022-11-30/